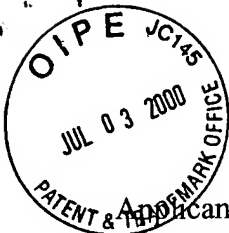


*Handwritten initials*



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Paul Röben et al.                      Art Unit : 1643  
 Serial No. : 09/528,742                      Examiner : Unknown  
 Filed : March 20, 2000  
 Title : METHODS FOR IDENTIFYING AND ISOLATING TISSUE-SPECIFIC  
 LUMEN-EXPOSED MOLECULES

Commissioner for Patents  
 Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

**UNDER 37 CFR §1.97 and §1.98**

Sir:

Enclosed for filing in the above-referenced patent application is a Form PTO-1449, being submitted prior to the first Office Action on the merits. Applicants respectfully request consideration of the remarks and references set forth herein.

The following documents are enclosed herewith:

- copy of Form PTO-1449
- Postcard
- copies of cited references

**REMARKS**

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL**

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

June 29 2000

Date of Deposit

*Handwritten signature of Marian Christopher*

Signature

Marian Christopher

Typed or Printed Name of Person Signing Certificate

Applicant : Paul Roben et al.  
Serial No. : 09/528,742  
Filed : March 20, 2000  
Page : 2

Attorney's Docket No.: 11390-002001


As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 06-1050. If necessary, please deduct any necessary additional fees from, or credit any overpayment to, the above-noted Deposit Account.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned or John Wetherell at 858 678 5070.

Respectfully submitted,

Date:

June 28, 2000   
Gregory P. Einhorn  
Reg. No. 38,440

Fish & Richardson P.C.  
4350 La Jolla Village Drive, Suite 500  
San Diego, CA 92122  
Telephone: (858) 678-5070  
Facsimile: (858) 678-5099

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11390-002001	Application No. 09/528,742
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Paul Roben et al.	
		Filing Date March 20, 2000	Group Art Unit 1643

### U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,218,700	25 JAN 94				
	AB	5,610,008	11 MAR 97				
	AC	5,776,427	07 JUL 98				
	AD	5,776,770	07 JUL 98				
	AE	5,855,866	05 JAN 99				
	AF	5,914,127	22 JUN 99				
	AG	5,914,312	22 JUN 99				
	AH	5,965,132	12 OCT 99				
	AI	5,994,519	30 NOV 99				
	AJ	6,004,554	21 DEC 99				
	AK	6,068,829	30 MAY 00				

### Foreign Patent Documents or Published Foreign Patent Applications

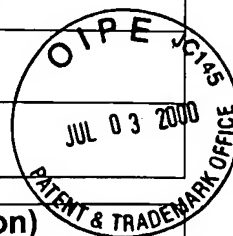
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	WO 98/39469	11 SEP 98	PCT				
	AM	WO 00/07625	17 FEB 00	PCT				
	AN							
	AO							
	AP							

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	Hastie <i>et al.</i> , Identification of Surface Components of Mammalian Respiratory Tract Cilia Cell Motility and the Cytoskeleton 17:317-328 (1990). ✓
	AR	Schnitzer <i>et al.</i> , Separation of Caveolae from Associated Microdomains of GPI-Anchored Proteins <i>Science</i> 269:1435-1439 (September 1995). ✓
	AS	Dentler William L., Nonradioactive Methods for Labeling and Identifying Membrane Surface Proteins <i>Methods in Cell Biology</i> 47:407-411 (1995). ✓
	AT	Schnitzer <i>et al.</i> , Caveolae from luminal plasmalemma of rat lung endothelium: Microdomains enriched in caveolin, Ca <sup>2+</sup> -ATPase, and inositol trisphosphate receptor <i>Proc. Natl. Acad. Sci.</i> 92:1759-1763 (February 1995). ✓

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11390-002001	Application No. 09/528,742
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Paul Roben et al.	
		Filing Date March 20, 2000	Group Art Unit 1643


**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AU	Dentler, William L., Identification of <i>Tetrahymena</i> Ciliary Surface Proteins Labeled with Sulfosuccinimidyl 6-(Biotinamido) Hexanoate and Concanavalin A and Fractionated with Triton X-114 <i>J. Protozool.</i> 39(3):368-378 (May-June 1992). ✓
	AV	Levy-Toledano <i>et al.</i> , Streptavidin Blotting: A Sensitive Technique to Study Cell Surface Proteins; Application to Investigate Autophosphorylation and Endocytosis of Biotin-Labeled Insulin Receptors <i>Endocrinology</i> 133(4):1803-1808 (October 1993). ✓
	AW	Bush <i>et al.</i> , Selective isolation of individual cell surface proteins from tissue culture cells by a cleavable biotin label <i>European Journal of Cell Biology</i> 50:257-262 (December 1989). ✓
	AX	De La Fuente <i>et al.</i> , Biotinylation of membrane proteins accessible via the pulmonary circulation in normal hyperoxic rats <i>Am. J. Physiol.</i> 272(3) Part 1:L461-L470 (March 1997). ✓
	AY	Garlanda <i>et al.</i> , Heterogeneity of Endothelial Cells <i>Arteriosclerosis, Thrombosis and Vascular Biology</i> 17(7):1193-1202 (July 1997). ✓
	AZ	Lamszus <i>et al.</i> , Isolation and Culture of Human Neuromicrovascular Endothelial Cells for the Study of Angiogenesis In Vitro <i>Journal of Neuroscience Research</i> 55:370-381 (February 1999). ✓
	AAA	Craig <i>et al.</i> , Endothelial Cells from Diverse Tissues Exhibit Differences in Growth and Morphology <i>Microvascular Research</i> 55:65-76 (January 1998). ✓
	ABB	Pasqualini, R., Vascular targeting with phage peptide libraries <i>The Quarterly Journal of Nuclear Medicine</i> 43(2):159-162 (June 1999). ✓
	ACC	Pasqualini <i>et al.</i> , Organ targeting <i>in vivo</i> using phage display peptide libraries <i>Nature</i> 380(28):364-366 (March 1996). ✓
	ADD	Rajotte <i>et al.</i> , Molecular Heterogeneity of the Vascular Endothelium Revealed by In Vivo Phage Display <i>Journal of Clinical Investigation</i> 102(2):430-437 (July 1998). ✓

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	